

What is claimed is:

1. A system for remotely managing fuel oil storage in a storage location comprising:

- a computer accessible by a plurality of users;

- a measurer for measuring the storage level of a fuel oil;

- a data processor associated with the measurer permitting recording of the storage level of a fuel oil;

- a communicator associated with the measurer permitting communication with the computer;

- an access interface associated with the computer;

- at least one communications network permitting communication by a user to the computer and permitting communication with the computer by the communicator associated with the measurer;

- a database accessible by the computer containing a plurality of data associated with the storage location of a fuel oil;

- a plurality of functional software modules executing on the computer for enabling a plurality of users to selectively manipulate the plurality of data associated with the storage location; comprising

 - an administrative software module for enrolling storage locations and administering the system,

 - a management software module for querying the database,

 - a scheduling software module for scheduling the system,

 - an authorization software module for securing the system, and

 - a delivery analysis software module for analyzing the replenishment of the storage location.

2. The system of claim 1 wherein the plurality of functional software modules executing on the computer for enabling a plurality of users to selectively manipulate the plurality of data associated with the storage location further comprises a software module for reporting the results of querying the database by a plurality of communications networks.

3. The system of claim 1 wherein the plurality of functional software modules executing on the computer for enabling a plurality of users to selectively manipulate the plurality of data associated with the storage location further comprises a software module for route optimization.

4. The system of claim 1 wherein at least one communications network permitting communication by a user to the computer and permitting communication with the computer by the communicator associated with the measurer is a wireless communications.

5. The system of claim 1 wherein the plurality of functional software modules executing on the computer for enabling a plurality of users to selectively manipulate the plurality of data associated with the storage location further comprises a software module for accounting.

6. The system of claim 1 wherein the plurality of functional software modules executing on the computer for enabling a plurality of users to selectively manipulate the plurality of data associated with the storage location further comprises a software module for accessing a geographical information system.

7. The system of claim 1 wherein data processor further comprises a transponder for detecting a plurality of signals from a deliverer.

8. The system of claim 1 further comprising a monitor for providing a monitoring service.

9. The system of claim 1 where the measurer is self contained.

10. The system of claim 1 where the communicator is self contained.

11. A system for remotely managing bulk product storage in a storage location comprising:

- a computer accessible by a plurality of users;

- a measurer for measuring the storage level of a bulk product;

- a data processor associated with the measurer permitting recording of the storage level;

- a communicator associated with the measurer permitting communication with the computer;

- an access interface associated with the computer;

- at least one communications network permitting communication by a user to the computer and permitting communication with the computer by the communicator associated with measurer;

- a database accessible by the computer containing a plurality of data associated with the storage location; and

- a plurality of functional software modules executing on the computer for enabling a plurality of users to selectively manipulate the plurality of data associated with the storage location; comprising

 - an administrative software module for enrolling storage locations and administering the system,

 - a management software module for querying the database,

a scheduling software module for scheduling the system,
an authorization software module for securing the system, and
a delivery analysis software module for analyzing the replenishment
of the storage location.

12. The system of claim 11 wherein the plurality of functional software modules
executing on the computer for enabling a plurality of users to selectively manipu-
late the plurality of data associated with the storage location further comprises a
software module for reporting the results of querying the database by a plurality
of communications networks.

13. The system of claim 11 wherein the plurality of functional software modules
executing on the computer for enabling a plurality of users to selectively manipu-
late the plurality of data associated with the storage location further comprises a
software module for route optimization.

14. The system of claim 11 wherein at least one communications network permit-
ting communication by a user to the computer and permitting communication with
the computer by the communicator associated with the measurer is a wireless
communications.

15. The system of claim 11 wherein the plurality of functional software modules
executing on the computer for enabling a plurality of users to selectively manipu-
late the plurality of data associated with the storage location further comprises a
software module for accounting.

16. The system of claim 11 wherein the plurality of functional software modules
executing on the computer for enabling a plurality of users to selectively manipu-

late the plurality of data associated with the storage location further comprises a software module for accessing a geographical information system.

17. The system of claim 11 wherein data processor further comprises a transponder for detecting a plurality of signals from a deliverer.

18. The system of claim 11 further comprising a monitor for providing a monitoring service.

19. The system of claim 11 where the measurer is self contained.

20. The system of claim 11 where the communicator is self contained.

21. The system of claim 11 where the data processor is self-activating.

22. A method of remotely managing the storage level of a bulk product in at least one storage location, which comprises:

enrolling the storage location in a database comprising a plurality of information associated with the storage location,

measuring the storage level of the bulk product in the storage location,

recording the storage level of the bulk product in the storage location,

communicating the storage level of the bulk product in the storage location to a computer over a communications network,

storing the storage level of the bulk product in the storage location in a database,

selectively accessing the storage level of the bulk product in the storage by a user using the computer.

23. The method of claim 22 further including the step of associating the storage level to other data.

2009-09-22 10:00:00